

11. The computer readable medium as set forth in Claim 9 further comprising software for performing the step of receiving a reference identifier associated with distribution schema of said dithered data set, and wherein said software for performing interpolation comprises software for performing interpolation based upon said distribution schema.

5

12. A digital imaging system comprising:

    a sensor array means, said sensor array having a set of sensors arranged in first axis in a non-uniform manner according to a first schema and in a second axis in a non-uniform manner according to a second schema;

10

    a sampling means for sampling said sensors; and

    a dithered data set creation means for storing data samples from said sampling means.

13. The digital imaging system as set forth in Claim 12 wherein said sensors of said sensor array means are arranged in said first axis according to a pseudo-random schema.

15

14. The digital imaging system as set forth in Claim 12 wherein said sensors of said sensor array means are arranged in said first axis according to a nonlinear polynomial schema.

20

    The digital imaging system as set forth in Claim 12 wherein said sensors of said sensor array means are arranged in said second axis according to a pseudo-random schema.

25

    The digital imaging system as set forth in Claim 12 wherein said sensors of said

*R 10/126 15*

*Se 10/22/2004 16*

sensor array means are arranged in said second axis according to a polynomial schema.

~~17~~ The digital imaging system as set forth in Claim 12 further comprising an interpolation means for synthesizing a uniformly-spaced data sample set from said dithered data sample set.

~~18~~ The digital imaging system as set forth in Claim 18 wherein said interpolation means comprises a linear interpolation means.

~~19~~ The digital imaging system as set forth in Claim 18 further comprising a means for receiving a reference identifier associated with said first and second distribution schema and selecting an interpolation means according to said first and second distribution schema.

10